MetEd

Meteorology Education & Training

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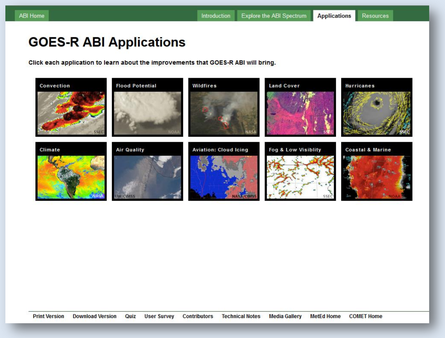
Contributing to User Readiness: A View from the COMET Program

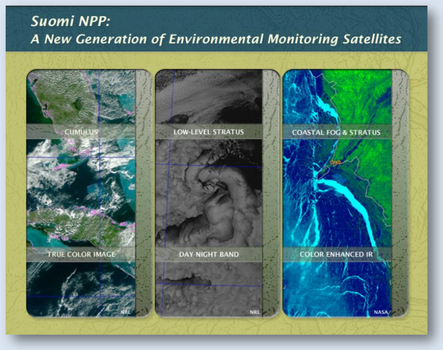
Patrick Dills and Wendy Schreiber-Abshire, UCAR/COMET®, Boulder, CO

NEW MODULES ON GEO AND LEO SATELLITES



GOES-R ABI: Next Generation Satellite Imaging

Introduces key features and improvements. Includes an interactive exploration of the ABI's 16 channels and movies that depict the improvements the ABI will bring to ten application areas.
Pub. Feb 2013



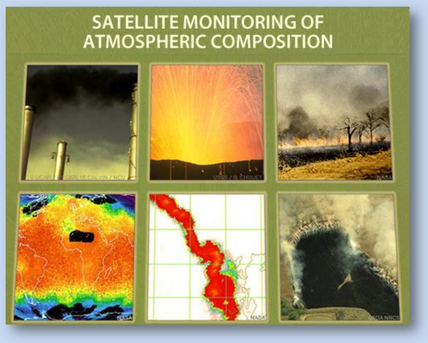
***Suomi NPP: A New Generation of Environmental Monitoring Satellites* (English & Spanish)**

Describes its mission, products, and instruments. Provides examples of how S-NPP monitors Earth's atmosphere, land and ocean surfaces, space weather, and climate.
Pub. May 2012

COMING SOON!
Advances in Space-based Nighttime Satellite Observation

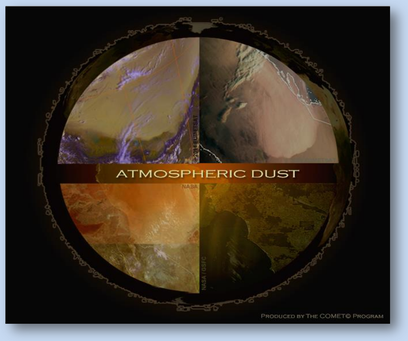
Describes features observed at night, recent improvements in nighttime visible imaging, the lunar cycle and lunar modeling. Explores various uses of nighttime visible observations.
Pub. Apr 2013

OTHER RECENT MODULES



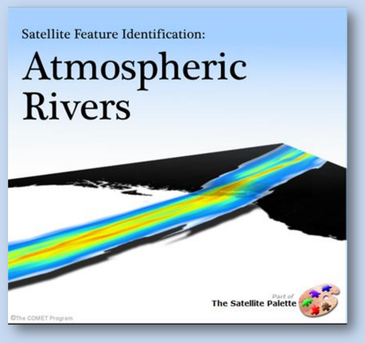
Atmospheric Composition

Provides an overview of the use of satellites in monitoring stratospheric ozone, long-range pollutant transport, biomass burning, air quality, and climate change.
Pub. Nov 2012



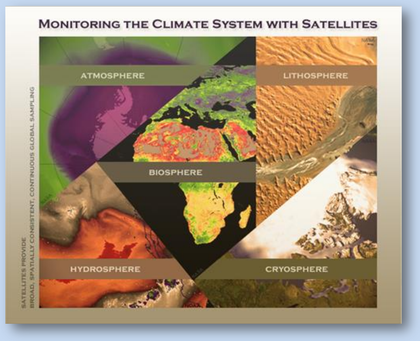
Atmospheric Dust

Designed for an international audience, this module describes dust processes and the use of satellite products in dust detection and monitoring. Also presents a generalized dust forecast process.
Pub. Mar 2012



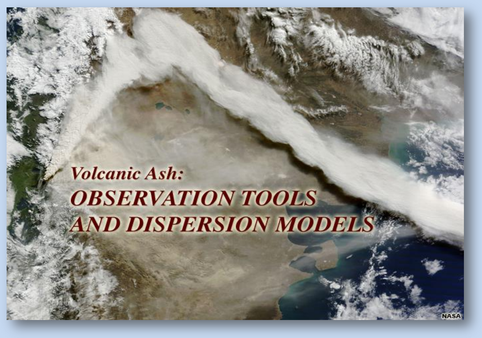
Atmospheric Rivers

Describes the global moisture transport phenomenon of atmospheric rivers, discussing how to identify and forecast them using satellite products and numerical weather prediction.
Pub. Mar 2012



Monitoring the Climate System With Satellites

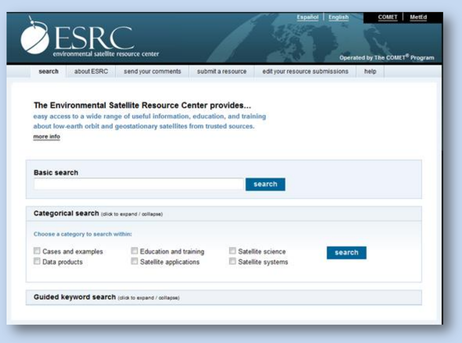
Describes the unique role that satellites play in detecting and monitoring climate events at various spatial and temporal scales.
Pub. Jan 2012



***Volcanic Ash: Observation Tools and Dispersion Models* (English & Spanish)**

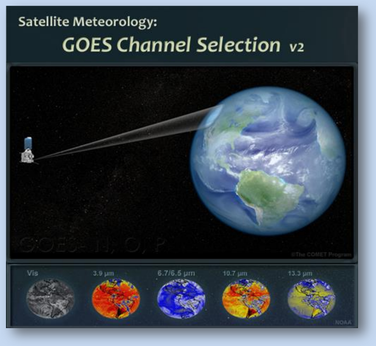
Covers tools and techniques used for identifying and forecasting the transport of volcanic ash, including satellite imagery and products.
Pub. Sep 2011

The Environmental Satellite Resource Center



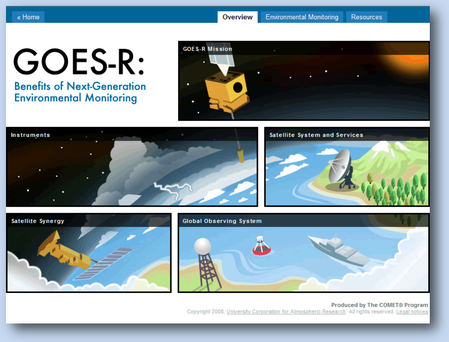
Imaging with VIIRS, 2nd Edition

Introduces the VIIRS imager on Suomi NPP and future JPSS satellites, describing its enhanced capabilities. Also highlights the improved Day/Night Visible channel.
Pub. Apr 2012



***GOES Channel Selection, v2* (English & Spanish)**

Reviews the five GOES imager channels and their use, incorporating visualizations and new imagery examples. Includes a new section on GOES-13, -14, and -15. *Pub. May 2011*



***GOES-R: Benefits* (English & Spanish)**

Uses visualizations to describe GOES-R advanced observing capabilities for supporting 13 key environmental application areas. Also describes elements and services of the GOES-R program.
Pub. Dec 2008

All COMET satellite remote sensing training is online. Free site registration is required.

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